

FIG. 1
(Related Art)

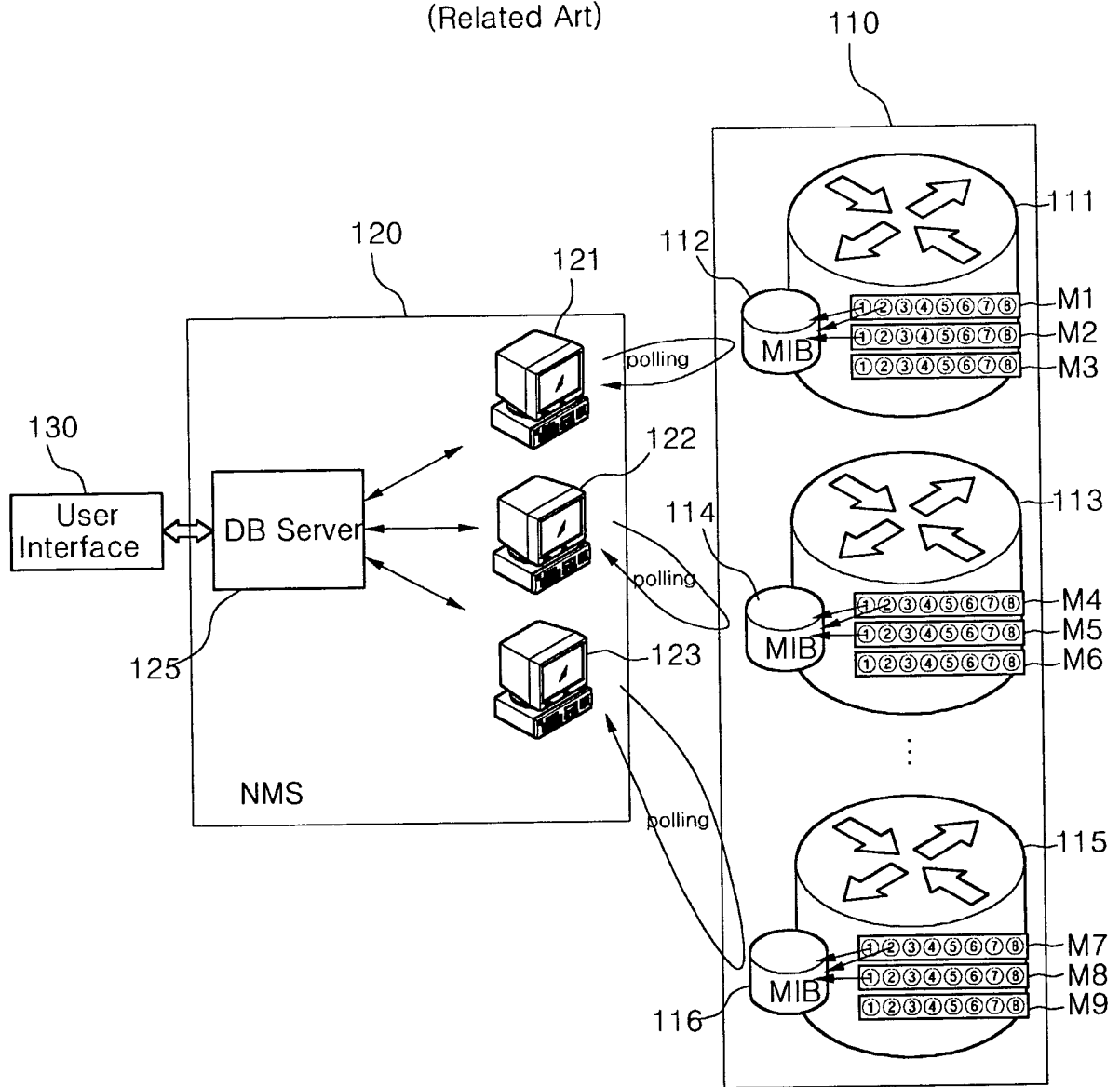


FIG. 2
(Related Art)

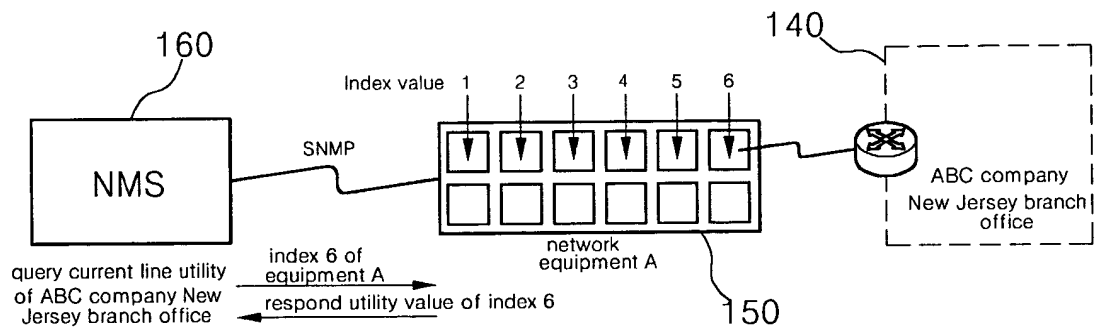


FIG. 3
(Related Art)

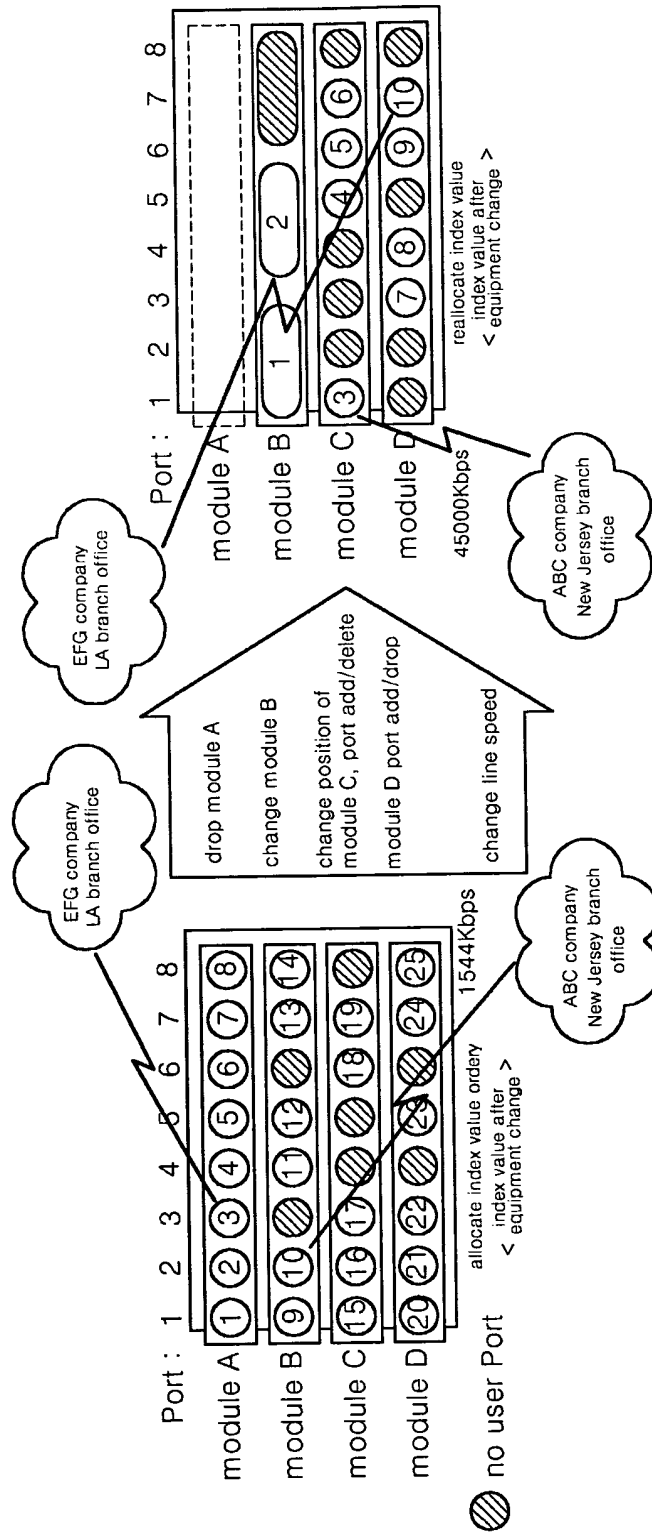


FIG. 4
(Related Art)

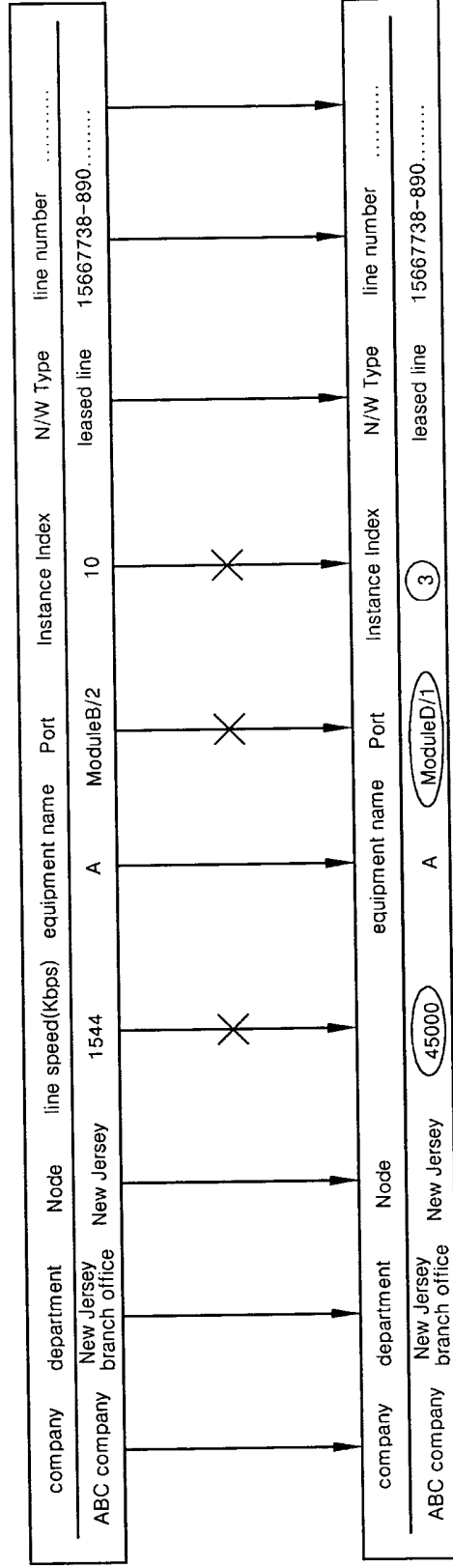


FIG. 5
(Related Art)

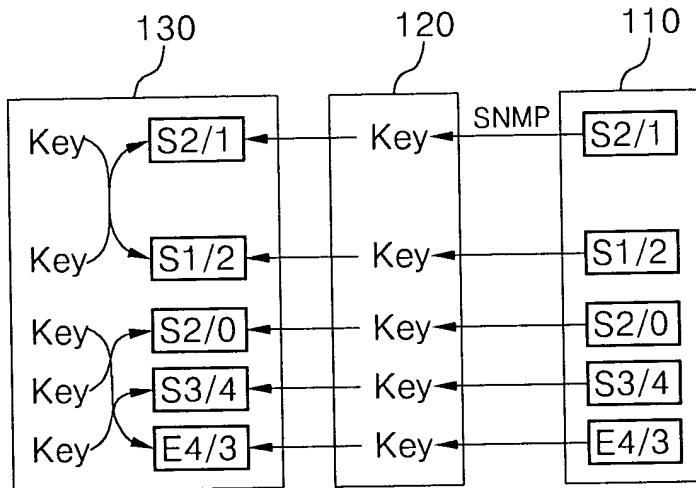


FIG. 6

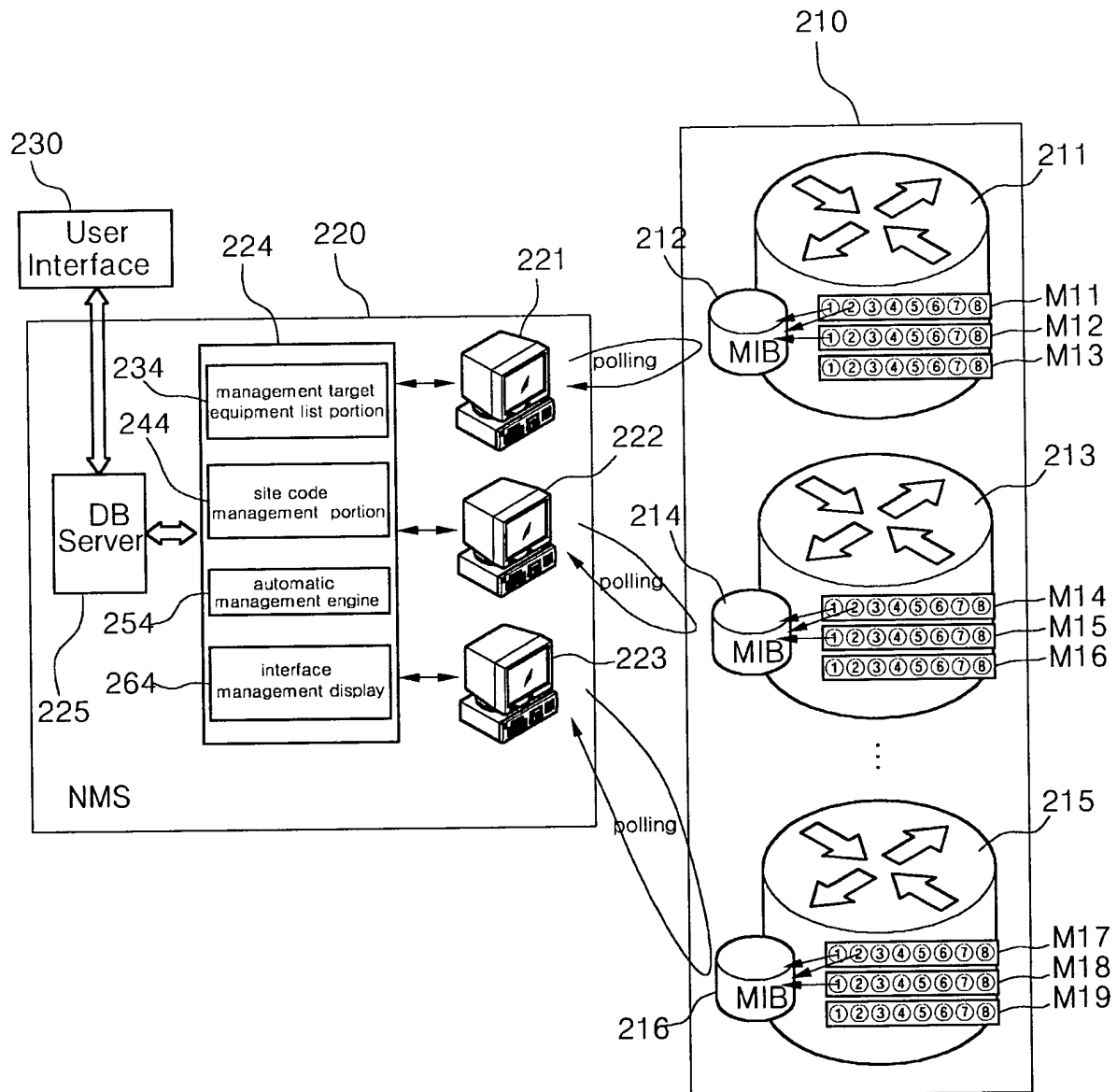


FIG. 7

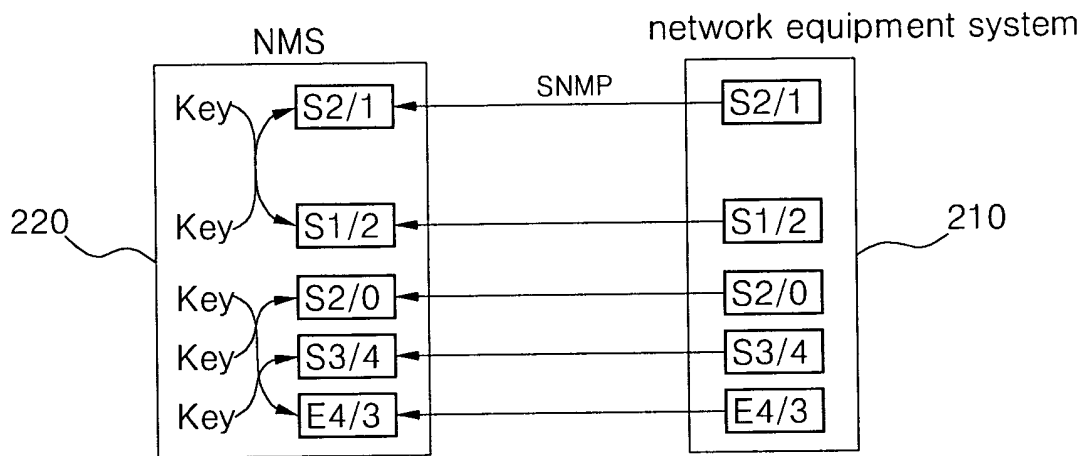


FIG. 8

```

interface Serial14/1
description LGM::SP::Kumchon#1
bandwidth 128
ip address 165.243.222.21 255.255.255.
!
interface Serial14/2
description LGM::SP::WUMAN#1
bandwidth 128
ip address 165.243.222.17 255.255.255.
!
interface Serial14/3
description LGMC::HQ::Seouloffice
bandwidth 768ip
ip vrf forwarding LGMC
ip address 10.0.88.9 255.255.255.252
ip verify unicast reverse-path

```

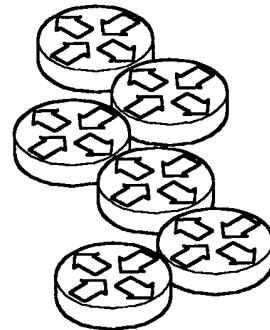


FIG. 9

port information of management target
[CNCJ4700A(202.21.0.41)/(Chung-Ju)(Cisoo4700)]

IF-IDX						
number	Port	port IP	MASK	Code	Ad/Op	BW
1	ATM0	-	255.255.255.255	1 LGNET::ATM::ATM TRUNK CNCJ4700A ATM0.0	④/④	T3
2	FastEthernet0	165.244.16.65	-	2 LGNET::LAN::Core LAN CNCJ4700A FEO	④/④	100M
3	Serial0	165.244.16.202	-	3 LGNET::TRK::CJ-DJ#1	④/④	2M
4	Serial1	165.244.16.206	-	4 LGNET::TRK::CJ-DJ#2	④/④	2M
5	Serial2	165.244.16.245	-	5 LGNET::TRK::CJ-DJ#3	④/④	2M

port information of management target
[CNCJ4700A(202.21.0.41)/(Chung-Ju)(Cisoo4700)]

IF-IDX						
number	Port	port IP	MASK	Code	Ad/Op	BW
1	ATM0	-	255.255.255.255	1 LGNET::ATM::ATM TRUNK CNCJ4700B ATM0.0	④/④	T3
2	FastEthernet0	165.244.16.66	-	2 LGNET::LAN::Core LAN CNCJ4700B FEO	④/④	100M
3	Serial0	165.244.16.225	-	3 LGNET::TRK::CJ-CA#1	④/④	2M
4	Serial1	165.244.16.229	-	4 LGNET::TRK::CJ-CA#2	④/④	2M
5	Serial2	165.244.16.241	-	5 LGNET::TRK::CJ-CA#3	④/④	2M
6	Serial3	-	-	6 -	⊗/⊗	T1

FIG. 10

input site code (October 9, 2002–October 9, 2002) [total 32 cases]						
number	HostName	IP	Port	Site Code	Ad/Op	description time
16	GNBJ7513A	156.147.205.182	Serial5/6.1	BJ_Tower_construction	⊗/⊗	Invalid code 10-09 01:10
17	GNBJ7513A	156.147.205.182	Voice Over IP Peer:100	-	⊗/⊗	Code necessary 10-09 01:10
18	GNBJ7513A	156.147.205.182	Voice Encapsulation(POTS) Peer:200	-	⊗/⊗	Code necessary 10-09 01:10
19	GNIC7507A	202.21.0.15	Serial5/2	LGNET::GR::TW-INFORNET TRUNK(back-up)	⊗/⊗	Code unnecessary 10-09 01:10
20	GNIC7507A	202.21.0.15	Serial5/1.2	-	⊗/⊗	Code necessary 10-09 01:10
21	IRNIC 7606B	165.243.5.11	GigabitEthernet5/6	LGNET::LAN::Test(165.243.4.x)-2	⊗/⊗	Code unnecessary 10-09 01:10
22	LGE_Jakarta_HUB [E1/1024K]	150.150.239.146	Serial0	-	⊗/⊗	Code necessary 10-09 01:10
23	LGEFR7000A	192.168.176.245	Serial1/5.3	-	⊗/⊗	Code necessary 10-09 01:10
24	LGEFR7000B	192.168.176.246	Serial1/6	LGE::HP::KT FR Trunk #5	⊗/⊗	Code unnecessary 10-09 01:10
25	LGEFR7000B	192.168.176.246	Serial1/7	LGE::HP::KT FR Trunk #6	⊗/⊗	Code unnecessary 10-09 01:10
26	HHOS7507A	165.244.16.20			⊗/⊗	equipment Error 10-09 01:10
27	RJJ7507A	202.21.0.77	Serial4/3	LLI::BO::Samchunpo	⊗/⊗	withholding addition 10-09 01:10
28	RKGR7507A	156.147.16.108	Serial5/1	---	⊗/⊗	Invalid code 10-09 01:10
29	RKGR7507A	156.147.16.108	Serial5/2	LGCH::Kangroong	⊗/⊗	Code unnecessary 10-09 01:10

FIG. 11

interface change of performance management target(October 7, 2002)													
number	customer	Site	Code	classifi- cation	BW	Node	Src equipment	port	IF-IDX	line number	time	proposal change	operation result
1		Innotek Node Si	GSP::GR::Innotek Nod	GR	10M	Jaka- rta	LGE_Jakarta	Ethernet0	1		01:10	add	check completion
2	LGCNS (LGCNS)	Hoehyun- dong#1((Hoehyun- dong#1)	LGCNS::HQ::Hoehyun-d (LGCNS::HQ::Hoehyun-d)	HQ (HQ)	T3 (T3)	Twin (Twin)	DNIC7507C (DNIC7507C)	Hssi4/1/1 (Hssi4/1/1)	4 (6)	()	01:10	change	index
3	LGCNS (LGCNS)	Hoehyun- dong#2((Hoehyun- dong#2)	LGCNS::HQ::Hoehyun-d (LGCNS::HQ::Hoehyun-d)	HQ (HQ)	T3 (T3)	Twin (Twin)	DNIC7507C (DNIC7507C)	Hssi5/0/0 (Hssi5/0/0)	5 (7)	()	01:10	change	index
4	LG electronics	LG electronics BaekSeok branch shop/Isan C	LGE::HP::BaekSeok	HP	512K	Twin	LGEFR7000A	Serial1/5.	69		01:10	add	add completion
5	LG electronics (electronics)	LG electronics BaekSeok branch shop/Isan C	LGE::HP::BaekSeok (LGE::HP::BaekSeok)	HP (HP)	512K (512K)	Twin (Twin)	LGEFR7000B (LGEFR7000B)	Serial1/6. (Serial1/6.)	121 (120)	()	01:10	change	index
6	LG electronics (electronics)	LG electronics BoRyeong branch shop (BoRyeong branch shop)	LGE::HP::BoRyeong (LGE::HP::BoRyeong)	HP (HP)	256K (256K)	Twin (Twin)	LGEFR7000B (LGEFR7000B)	Serial1/5. (Serial1/5.)	100 (99)	()	01:10	change	index
7	LG electronics	LG electronics Bundang branch shop/Seohyun C	LGE::HP::BunDang	HP	256K	Twin	LGEFR7000A	Serial1/5.	43		01:10	add	add completion

FIG. 12

INDEX	before change of equipment module/port, site speed				after change of equipment module/port, site speed			
	Module Port speed(Kbps) Code				Module Port speed(Kbps) Code			
1	A	1	56	ABC_INTN::DOM::BR::YANGSAN	B'	1	1000000	HQ::BB::BACKBONE Gigabit Ethernet #3
2	A	2	2048	SWISSARMY::DOM::KNIFE::Victorynox HQ	B'	2	1000000	HQ::BB::
3	A	3	256	EFG_INTN::EXPORT::BRANCH::LA Branch Office	D	1	45000	<ABC_INTN::EXPORT::BRANCH::New Jersey Branch Office
4	A	4	758	Johnsons::INTR::MC::New york	D	5	2048	SWISSARMY::DOM::KNIFE::Victorynox HQ
5	A	5	1544	Johnsons::ABROAD::MC::Paris discount store	D	6	1544	GMC::ABROAD::MC::New Zealand Motor Show
6	A	6	2048	GMC::ABROAD::MC::New Zealand Motor Show	D	7	768	Johnsons::INTR::MC::New york
:								
9	C	3	512	WISDOM::DOM::KM::Knowledge Mgmt. Cntr.	C	7	512	Johnsons::ABROAD::MC::Paris discount store
10	C	6	1544	<ABC_INTN::EXPORT::BRANCH::New Jersey Branch Office>	C	8	1544	EFG_INTN::EXPORT::BRANCH::LA Branch Office

FIG. 13

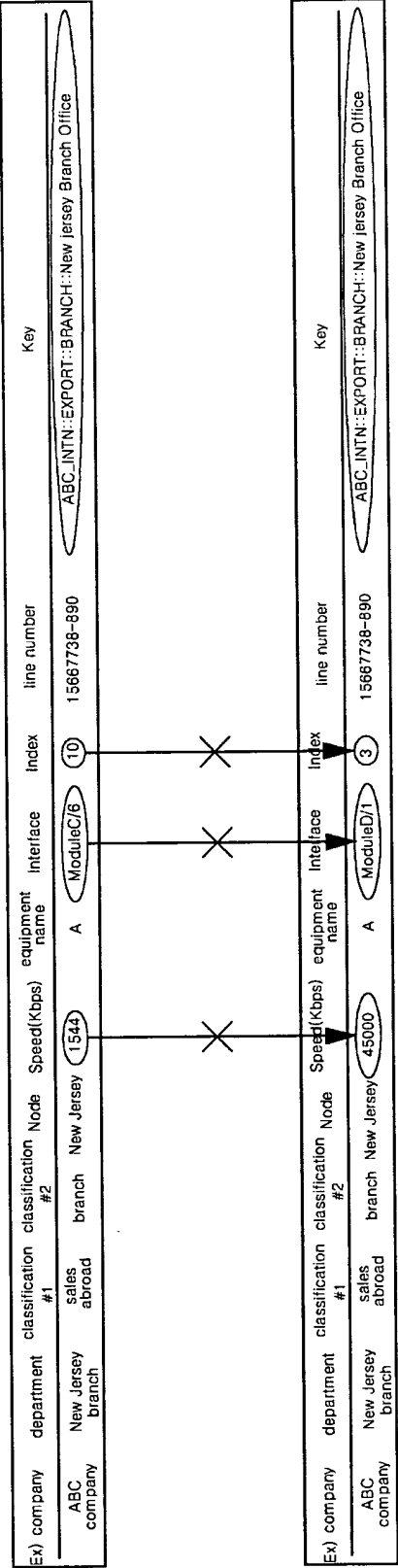


FIG. 14

Next Generation of Network Management-NetmaX-Microsoft Internet Explorer

[file\(F\)](#)
[edit\(E\)](#)
[view\(V\)](#)
[bookmark\(A\)](#)
[tool\(T\)](#)
[help\(H\)](#)

[backward](#)
[search](#)
[bookmark](#)
[view](#)

[url\(D\)](#)
http://newnms.lg.co.kr/1004/nms_main.asp

[fault management](#)
[performance management](#)
[configuration management](#)
[report](#)
[setting](#)
[help](#)

[MAF configuration/fault managed target](#)
[LAN/WAN performance configuration](#)
[equipment performance configuration](#)
[response time configuration](#)
[configuration management](#)
[properly management](#)

[LAN/WAN performance configuration](#)
[code management](#)
[code history](#)
[management list](#)

[2nd Nav.](#)
[3rd Nav.](#)

add

ledger router list October 9 2002 total 82 cases

number	HostName	IP	node	Community	Role	type	delete	detail
1	CNCJ4700A	202.21.0.41	Chungju	antiquities	CORE	Cisco4700	<input type="checkbox"/>	
2	CNCJ4700B	202.21.0.42	Chungju	antiquities	CORE	Cisco4700	<input type="checkbox"/>	
3	CNIC7505A	202.21.0.5	Twin	antiquities	CORE	Cisco7505	<input type="checkbox"/>	
4	CNIC7505B	202.21.0.6	Twin	antiquities	CORE	Cisco7505	<input type="checkbox"/>	
5	CNIC7507C	202.21.0.7	Twin	antiquities	CORE	Cisco7507	<input type="checkbox"/>	
6	CNKJ4700A	202.21.0.61	Gwangju	antiquities	CORE	Cisco4700	<input type="checkbox"/>	
7	CNKJ4700B	202.21.0.62	Gwangju	antiquities	CORE	Cisco4700	<input type="checkbox"/>	
8	CNKM4700A	202.21.0.51	Gumi	antiquities	CORE	Cisco4700	<input type="checkbox"/>	

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next

correct

complete

NetmaX

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internal

Next Generation of Network Management-Netmax-Microsoft Internet Explorer											
file(F) edit(E) view(V) bookmark(A) tool(T) help(H)											
backward ↩ forward ⏭ search 🔍 bookmark 📖 view [v]											
url(D) http://newnms.lg.co.kr/1004/nms_main.asp											
fault management		performance management		configuration management		report		setting		help	
MAF configuration		LAN/WAN performance target		equipment performance configuration		response time configuration		priority management		2nd Nav.	
LAN/WAN performance configuration		automatic site management		code management		code history		management list		3rd Nav.	

site code management October 10 2002 total 505 cases						
number	customer	classification	Site	Code	name	line number
61	LGE	CS	SooWon	LGE::CS::SooWon	LG electronics Soowon C	400415
62	LGE	CS	TaeBack	LGE::CS::TaeBack	LG electronics TaeBack C	4003840
63	LGE	CS	Technomart	LGE::CS::Technomart	LG electronics Technomart	06055296-1778
64	LGE	CS	UISan	LGE::CS::UISan	LG electronics UISan C	4004170
65	LGE	CS	WonJoo	LGE::CS::WonJoo	LG electronics WonJoo C	4004508
66	LGE	CS	YangCheon	LGE::CS::YangCheon	LG electronics YangCheon C	06026000-0211
67	LGE	CS	YeounSan	LGE::CS::YeounSan	LG electronics YeounSan C	4004109
68	LGE	CS	YoungSan C	LGE::CS::YoungSan C	LG electronics YoungSan C	06026000-0272
69	LGE	CS	YoungSan PC	LGE::CS::YoungSan PC	LG electronics YoungSan PC	06026000-0401

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 [5pages/34pages](#) |
 [next](#) |
 [correct](#)

FIG. 16

Auto Daily Updata v1.0																																																																																																			
<div style="border: 1px solid black; padding: 2px;"> <div style="display: flex; justify-content: space-between;"> J File Option Help One Daily Scan All Update </div> <div style="border: 1px solid black; padding: 2px; text-align: center;"> <div style="display: flex; justify-content: space-between;"> Daily Scan All Update Button 1 </div> </div> </div>	<div style="border: 1px solid black; padding: 5px;"> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 5px;"> ledger equipment list ledger code list </div> <div style="display: flex;"> <div style="flex: 1; border-right: 1px solid black; padding: 5px;"> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>SiteCode</th> <th>name</th> <th>line number</th> </tr> </thead> <tbody> <tr><td>LGE::CS::Technomart</td><td>LG electronics Technomart</td><td>06055296-1778</td></tr> <tr><td>LGE::HP::BongCheon</td><td>LG electronics BongCheon branch</td><td>06026000-0368</td></tr> <tr><td>LGE::CS::BonSa #2</td><td>LG electronics head office 2</td><td>06055296-0410</td></tr> <tr><td>LGE::HP::BonSa #1</td><td>LG electronics head office 1</td><td>06055296-0409</td></tr> </tbody> </table> </div> <div style="flex: 1; padding: 5px;"> <p style="text-align: center;">daily scan list</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DateTime</th> <th>Instance</th> <th>SiteCode</th> <th>IF_IP</th> <th>Bandwidth</th> <th>Admin</th> <th>Oper</th> </tr> </thead> <tbody> <tr><td>2002-10-10 am1:10:00</td><td>1</td><td>LGE::CS::Seongdong Jeo</td><td>10.0.21.237</td><td>256000</td><td>up</td><td>up</td></tr> <tr><td>2002-10-10 am1:10:00</td><td>3</td><td>LGE::CS::SeoDaeMoon</td><td>10.0.21.193</td><td>256000</td><td>up</td><td>up</td></tr> <tr><td>2002-10-10 am1:10:00</td><td>4</td><td>LGE::CS::BonSa #1</td><td>10.0.21.197</td><td>2048000</td><td>up</td><td>up</td></tr> <tr><td>2002-10-10 am1:10:00</td><td>6</td><td>LGE::CS::YangJae SPC</td><td>10.0.21.201</td><td>1544000</td><td>up</td><td>up</td></tr> </tbody> </table> </div> </div> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 5px;"> <p style="text-align: center;">check list</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DateTime</th> <th>Instance</th> <th>SiteCode</th> <th>IF_IP</th> <th>Bandwidth</th> <th>Admin</th> <th>Oper</th> <th>classification</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table> </div>	SiteCode	name	line number	LGE::CS::Technomart	LG electronics Technomart	06055296-1778	LGE::HP::BongCheon	LG electronics BongCheon branch	06026000-0368	LGE::CS::BonSa #2	LG electronics head office 2	06055296-0410	LGE::HP::BonSa #1	LG electronics head office 1	06055296-0409	DateTime	Instance	SiteCode	IF_IP	Bandwidth	Admin	Oper	2002-10-10 am1:10:00	1	LGE::CS::Seongdong Jeo	10.0.21.237	256000	up	up	2002-10-10 am1:10:00	3	LGE::CS::SeoDaeMoon	10.0.21.193	256000	up	up	2002-10-10 am1:10:00	4	LGE::CS::BonSa #1	10.0.21.197	2048000	up	up	2002-10-10 am1:10:00	6	LGE::CS::YangJae SPC	10.0.21.201	1544000	up	up	DateTime	Instance	SiteCode	IF_IP	Bandwidth	Admin	Oper	classification																																								
SiteCode	name	line number																																																																																																	
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2002-10-10 am1:10:00	1	LGE::CS::Seongdong Jeo	10.0.21.237	256000	up	up																																																																																													
2002-10-10 am1:10:00	3	LGE::CS::SeoDaeMoon	10.0.21.193	256000	up	up																																																																																													
2002-10-10 am1:10:00	4	LGE::CS::BonSa #1	10.0.21.197	2048000	up	up																																																																																													
2002-10-10 am1:10:00	6	LGE::CS::YangJae SPC	10.0.21.201	1544000	up	up																																																																																													
DateTime	Instance	SiteCode	IF_IP	Bandwidth	Admin	Oper	classification																																																																																												

Next Generation of Network Management-NetmaX-Microsoft Internet Explorer											
file(F) edit(E) view(V) bookmark(A) tool(T) help(H)											
back forward home stop search [] bookmark view []											
url(D) http://newnms.lg.co.kr/1004/nms_main.asp											
fault management		performance management		configuration management		report		setting		help	
MAF configuration/fault managed target		LAN/WAN performance configuration		equipment performance response time configuration		property management				2nd Nav.	
LAN/WAN performance configuration		automatic port management		code management		code history		management list		3rd Nav.	

code name management history

period: 2002 year 10 month 10 day ~ 2002 year 10 month 10 day ~ or select period ▼

☉ HostName ○ IP ○ SiteCode ○ description ○ time key word: Search

site code history October 10 2002 total 47 cases									
number	HostName	IP	port	SiteCode	Ad/Op	description	time		
1	DNCJ7507A	202.21.0.43	Serial1/2	===test port===	/	invalid code	10-10 01:10		
2	DNCJ7507A	202.21.0.43	Serial1/4	===test port===	/	invalid code	10-10 01:10		
3	DNCJ7507C	202.21.0.14	FastEthernet0/0/0	LGNET::LAN::Core VLAN 11	/	code duplication	10-10 01:10		
4	DNCJ7507C	202.21.0.14	FastEthernet4/0/0	LGNET::LAN::Core VLAN 11	/	code repetition	10-10 01:10		
5	DNCJ7507C	202.21.0.14	FastEthernet0/1/0	LGNET::LAN::Core VLAN 11	/	code repetition	10-10 01:10		
6	DNCJ7507C	202.21.0.14	FastEthernet4/0/1	LGNET::LAN::Core VLAN 11	/	code repetition	10-10 01:10		
7	DNCJ7507C	202.21.0.14	FastEthernet4/0/0	LGNET::LAN::Core VLAN 11	/	code unnecessary	10-10 01:10		
8	DNCJ7507C	202.21.0.14	FastEthernet4/0/1	LGNET::LAN::Core VLAN 11	/	code unnecessary	10-10 01:10		
9	DNCJ7513D	202.21.0.13	Serial2/6	LGCNS::RJ::DAEHAN_JUNSAISIL	/	code unnecessary	10-10 01:10		
10	GNCB7513A	156.147.205.182	FastEthernet1/0/0	-	/	code necessary	10-10 01:10		
11	GNCB7513A	156.147.205.182	FastEthernet1/1/0	===R&D Center 10M===	/	invalid code	10-10 01:10		
12	GNCB7513A	156.147.205.182	Hssi2/0/0	-	/	code necessary	10-10 01:10		
13	GNCB7513A	156.147.205.182	Serial5/6	-	/	code necessary	10-10 01:10		

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FIG. 19

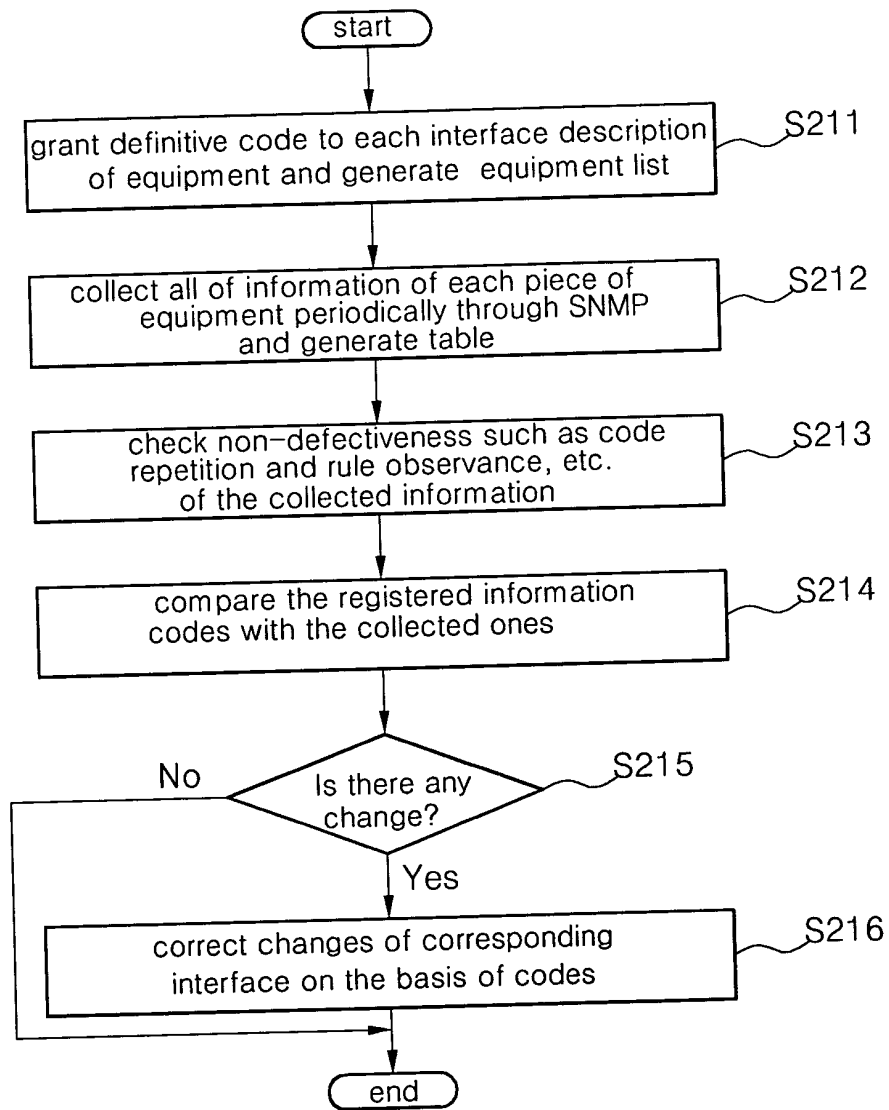


FIG. 20

